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开源思索集

庄表伟 著

中国工信出版集团 人民邮电出版社
POSTS & TELECOM PRESS

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Ten Rules for Open Source Success [illegible]

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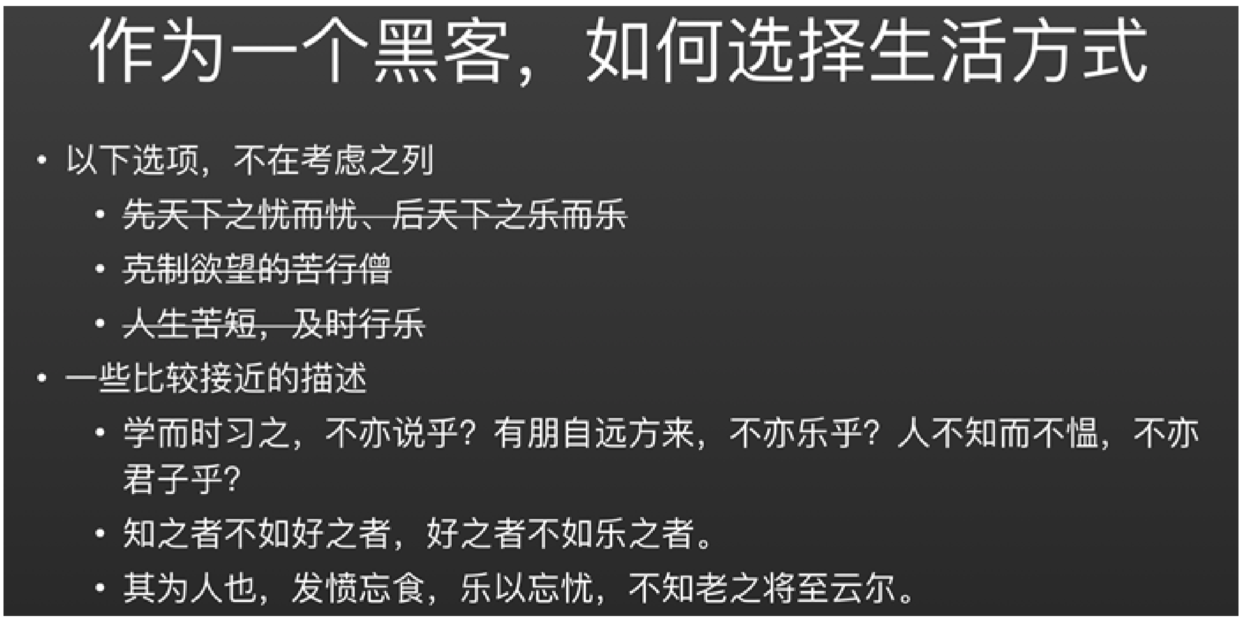
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Ten Rules for Open Source Success
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Everyone wants it, lots of people try it, yet doing it is mostly painful and irritating. I’m speaking about free software aka open source. Today I’m going to summarize 30 years of coding experience in ten management-proof bullet points.

[illegible]——[illegible]30[illegible]

1[illegible]People Before Code[illegible]

This is the Golden Rule, taught to me by Isabel Drost-Fromm. Build community, not software. Without community your code will solve the wrong problems. It will be abandoned, ignored, and will die. Collect people and give them space to work together. Give them good challenges. Stop writing code yourself.

[illegible]Isabel Drost-Fromm[illegible]Isabel Drost-Fromm[illegible]Apache[illegible]Apache Mahout[illegible]

[illegible]

2[illegible]Use a Share-Alike License[illegible]“[illegible]”[illegible]

Share-alike is the seat belt of open source. You can boast about how you don’t need it, until you have a bad accident. Then you will either find your face smeared on the wall, or have light bruising. Don’t become a smear. Use share-alike. If GPL/LGPL is too political for you, use MPLv2.

“[illegible]”[illegible]‘[illegible]’[illegible]“[illegible]”[illegible]“[illegible]”[illegible]GPL/LGPL[illegible]MPLv2[illegible]

3[illegible]Use an Zero-Consensus Process[illegible]

Seeking upfront consensus is like waiting for the ideal life partner. It is kind of crazy. Github killed upfront consensus with their fork/pull-request flow, so you’ve no excuse in 2015. Accept patches like Wikipedia accepts edits. Merge first, fix later, and discuss out of band. Do all work on master. Don’t make people wait. You’ll get consensus, after the fact.

[illegible]**fork/pull-request**[illegible]**Github**[illegible]**2015**[illegible]

[illegible]**master**[illegible]

[illegible]

4[illegible]Problem, then Solution[illegible]

Educate yourself and others to focus on problems not features. Every patch must be a minimal solution to a solid problem. Embrace experiments and wild ideas. Help people to not blow up the lab. Collect good solutions and throw away the bad ones. Embrace failure, at all levels. It is a necessary part of the learning process.

[illegible]

5[illegible]Contracts Before Internals[illegible]

Be aggressive about documenting contracts (APIs and protocols) and testing them. Use CI testing on all public contracts. Code coverage is irrelevant. Code documentation is irrelevant. All that matters is what contracts the code implements, and how well it does that.

[illegible]**API**[illegible]

6[illegible]Promote From Within[illegible]

Promote contributors to maintainers, and maintainers to owners. Do this smoothly, easily, and without fear. Keep final authority to ban bad actors. Encourage people to start their own projects, especially to build on, or compete, with existing projects. Remove power from people who are not earning it on a daily basis.

[illegible]‘[illegible]’[illegible]

7[illegible]Write Down the Rules[illegible]

As you develop your rules, write them down so people can learn them. Actually, don’t even bother. Just use the C4.1 rules we already designed for ZeroMQ, and simplify them if you want to.

[illegible]——[illegible]**ZeroMQ**[illegible]**C4.1**[illegible]

8[illegible]Enforce the Rules Fairly[illegible]

Use your power to enforce rules, not bully others into your “vision” of the project’s direction. Above all, obey the rules yourself. Nothing is worse than a clique of maintainers who act special while blocking patches because “they don’t

like them.” OK, that’s exaggeration. Many things are much worse. Still, the clique thing will harm a project.

[illegible]“[illegible]”[illegible]“[illegible]”[illegible]

9[illegible]Aim For the Cloud[illegible]“[illegible]”[illegible]

Aim for a cloud of small, independent, self-organizing, competing projects. Be intolerant of large projects. By “large” I mean a project that has more than 2-3 core minds working on it. Don’t use fancy dependencies like submodules. Let people pick and choose the projects they want to put together. It’s economics 101.

[illegible]“[illegible]”[illegible]**2~3**[illegible]

10[illegible]Be Happy and Pleasant[illegible]

Maybe you noticed that “be innovative” isn’t anywhere on my list. It’s probably point 11 or 12. Anyhow, cultivate a positive and pleasant mood in your community. There are no stupid questions. There are no stupid people. There are a few bad actors, who mostly stay away when the rules are

clear. And everyone else is valuable and welcome like a guest who has traveled far to see us.

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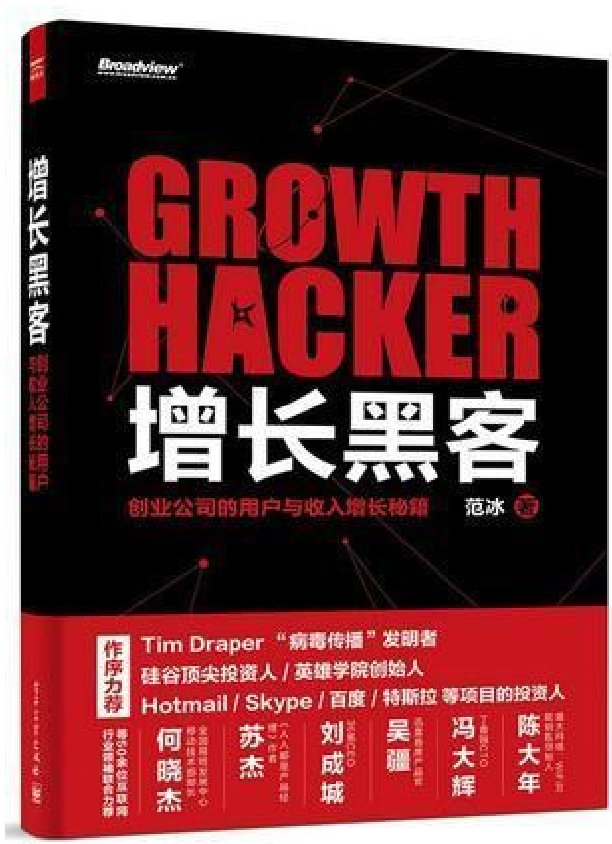
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Broadview
GROWTH HACKER
增长黑客
创业公司的用户与收入增长秘籍
范冰 著
作序力荐
Tim Draper “病毒传播”发明者
硅谷顶尖投资人 / 英雄学院创始人
Hotmail / Skype / 百度 / 特斯拉 等项目的投资人
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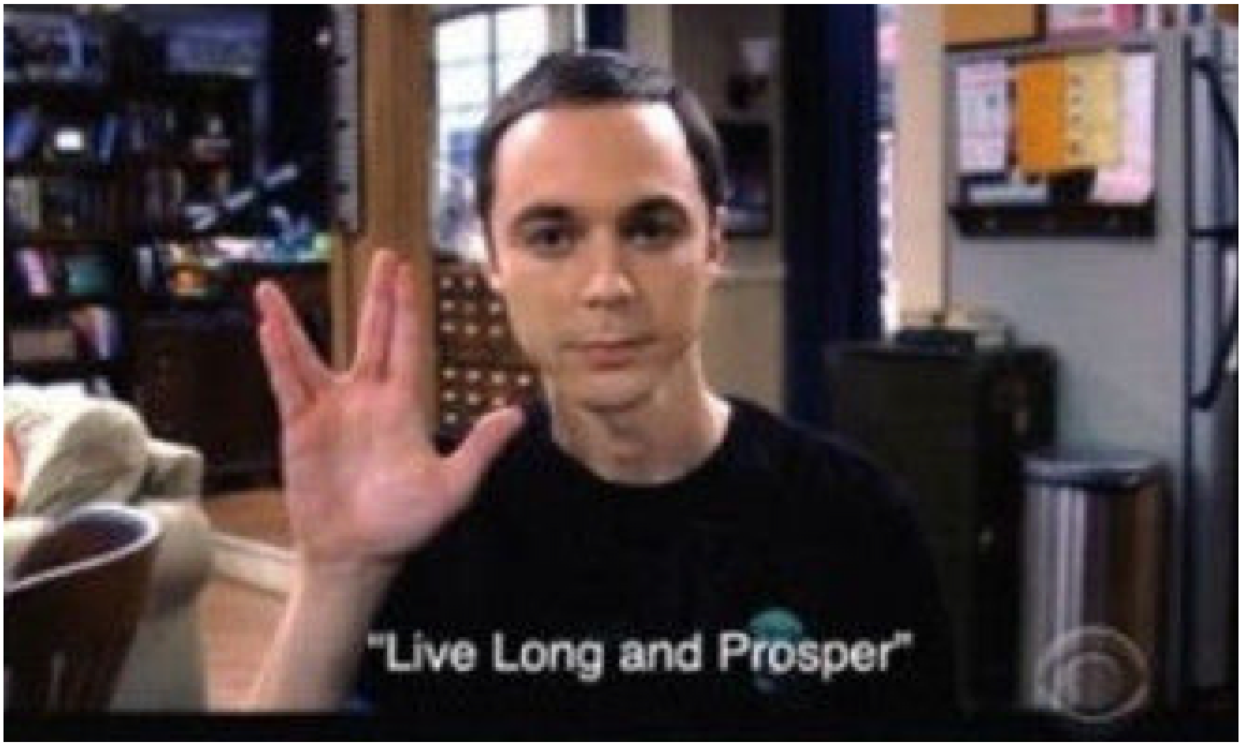
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"Live Long and Prosper"

Free Software vs. Open Source

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对开源软件来个可能会引发争议的观点：对于绝大多数的软件产品来说，1）闭源的软件产品的技术含量要比开源的要大得多。2）大多数的开源软件都在抄闭源的商用软件。

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[illegible]1998[illegible]Eric S. Raymond[illegible]

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[illegible]“[illegible]”[illegible]ESR[illegible]“[illegible]open-source[illegible]open-source[illegible]“[illegible]”[illegible]open-source[illegible]open-source[illegible]“[illegible]”[illegible]“[illegible]”[illegible]”

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- IBM JavaScript Team · GitHub
- WASdev · GitHub

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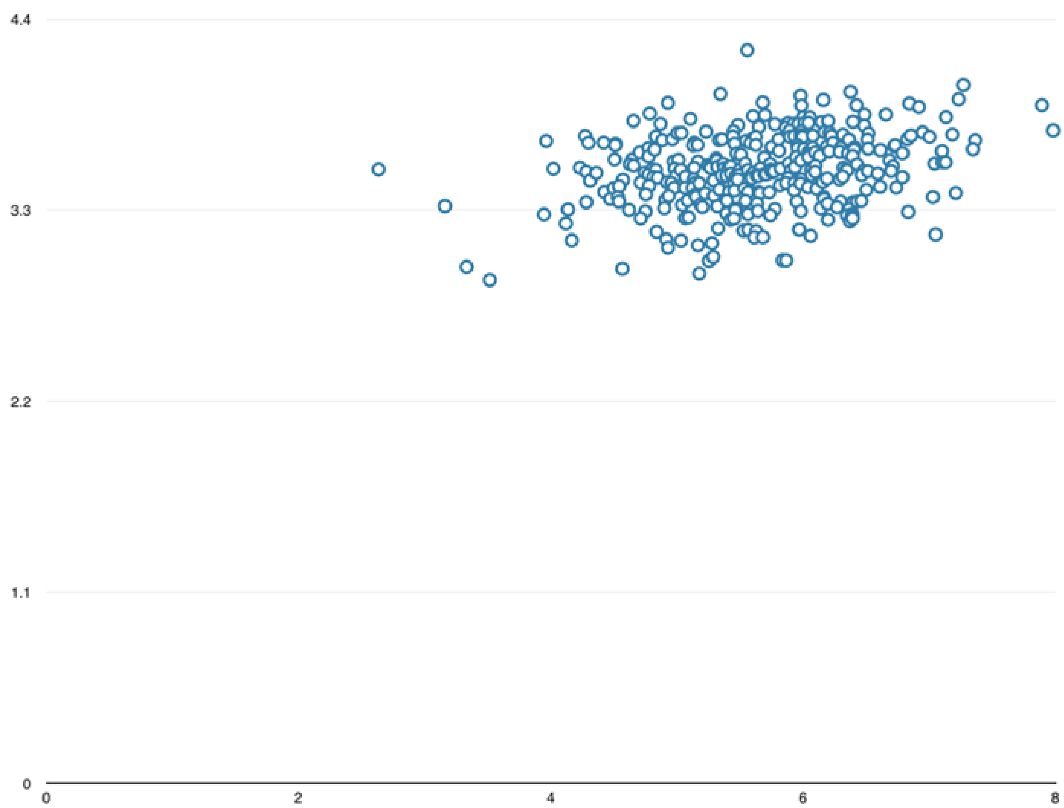
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- projects.sqlite3 □331□□□□□□□□□
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Name	Homepage
Metasploit Framework	http://www.metasploit.com/framework/

Name	Homepage
NetBSD	http://www.netbsd.org
GNU C Library	http://www.gnu.org/software/libc/
cURL	http://curl.haxx.se/
Python programming language	https://www.python.org
Linux Kernel	http://kernel.org/
GNU Emacs	http://www.gnu.org/software/emacs
gnulib	http://savannah.gnu.org/projects/gnulib/
GNU Core Utilities	http://savannah.gnu.org/projects/coreutils/
GNU Compiler Collection	http://gcc.gnu.org/
Wine	http://www.winehq.org
Debian	http://www.debian.org/
GNU Octave	http://www.octave.org
Visualization Toolkit	http://www.vtk.org
pf	http://www.benzedrine.cx/pf.html
GDB	http://www.gnu.org/software/gdb/
GNU binutils	http://www.gnu.org/software/binutils/
GHC	http://haskell.org/ghc/
Zope	http://zope2.zope.org
FreeBSD	https://github.com/trueos/trueos
Perl	http://www.perl.org/
GNU LilyPond Music Typesetter	http://lilypond.org/
Gnus	http://gnus.org/
ikiwiki	https://github.com/schmonz/ikiwiki
Samba	http://www.samba.org
PHP	http://php.net
FreeBSD Ports	http://www.freebsd.org/ports/
pkgsrc: The NetBSD Packages Collection	http://www.pkgsrc.org/
Mesa	http://www.mesa3d.org/
Squid Cache	http://www.squid-cache.org/
KDElibs (KDE)	http://www.kde.org/

Name	Homepage
gedit	http://www.gnome.org/projects/gedit/
Evolution	http://www.gnome.org/projects/evolution/
Kontact	http://kontact.org/
KDE PIM	http://pim.kde.org
Advanced Linux Sound Architecture (ALSA)	http://www.alsa-project.org/
Wireshark	http://www.wireshark.org
OpenSSL	http://www.openssl.org/
GIMP	http://www.gimp.org/
NetBeans IDE	http://www.netbeans.org
Koha Library Automation Package	http://www.koha-community.org
openSUSE Linux	http://www.opensuse.org/
Doxygen	http://doxygen.org/
libcurl	http://curl.haxx.se/libcurl
GStreamer	http://github.com/zaheerm/gst-plugins-good
GNOME	http://www.gnome.org/
Insight Toolkit	http://www.itk.org
zsh	http://zsh.sourceforge.net/
Nautilus	https://wiki.gnome.org/Apps/Nautilus
X.Org	http://www.x.org/wiki/
Mozilla Core	http://www.ahrcloud.com
MariaDB	http://mariadb.org/
CMake	http://www.cmake.org
LibreOffice	http://www.libreoffice.org
ALT Linux	http://www.altlinux.org
ParaView	http://www.paraview.org
GTK+	http://www.gtk.org/
Poedit	http://www.poedit.net/
Bugzilla	http://www.bugzilla.org/
Enlightenment (window manager)	http://www.enlightenment.org
FFmpeg	http://www.ffmpeg.org/
GLib	http://library.gnome.org/devel/glib/

Name	Homepage
PEAR	http://pear.php.net/
Ruby	http://www.ruby-lang.org/
GnuCash	http://www.gnucash.org/
phpMyAdmin	http://www.phpmyadmin.net/
Mono	http://www.mono-project.com
SWIG	http://www.swig.org
SWT (Standard Widget Toolkit)	http://www.eclipse.org/swt/
Checkstyle	http://checkstyle.sourceforge.net
Eclipse Java Development Tools (JDT)	http://www.eclipse.org/jdt/
Eclipse Platform Project	http://www.eclipse.org/eclipse/platform-ui/
Natural Language Toolkit (NLTK)	http://www.nltk.org
Ekiga	http://ekiga.org/
Boost C++ Libraries	http://www.boost.org
Kate (KDE)	http://kate-editor.org
Devhelp	http://live.gnome.org/devhelp
Arch Linux Packages	http://www.archlinux.org
SPIP	http://www.spip.net
GNOME Terminal	https://help.gnome.org/users/gnome-terminal/stable/
ScummVM	http://www.scummvm.org/
Anjuta DevStudio	http://anjuta.org
BlueZ	http://www.bluez.org/
Eye of GNOME	http://www.gnome.org/projects/eog
Tor	http://www.torproject.org/
Fedora Packages	http://fedoraproject.org
Haiku	http://www.haiku-os.org
Stellarium	http://stellarium.org/
Totem	http://projects.gnome.org/totem/
Rhythmbox	http://www.gnome.org/projects/rhythmbox/
Gentoo Linux	http://www.gentoo.org/
CDT (Eclipse)	http://www.eclipse.org/cdt/

Name	Homepage
JRuby	http://www.jruby.org
eZ Publish	http://share.ez.no
VLC media player	http://videolan.org/
Equinox	http://www.eclipse.org/equinox/
Epiphany	http://www.gnome.org/projects/epiphany/
Thunderbird	http://mozilla.org/thunderbird/
GeoTools	http://geotools.org
PyPy	http://pypy.org
KDE	http://www.kde.org
apt - Advanced Package Tool	https://wiki.debian.org/Apt
Moodle	http://git.moodle.org/gw?p=moodle.git
Calligra Suite	http://www.calligra.org
QGIS	http://qgis.org/
Mozilla Firefox	http://www.firefox.com/
coreboot	http://www.coreboot.org/Welcome_to_coreboot
Tiki Wiki CMS Groupware	http://tiki.org
Apache Maven 2	http://github.com/apache/maven-archetype
Plone	http://plone.org
Superior Lisp Interaction Mode for Emacs	http://common-lisp.net/project/slime/
Kodi	http://kodi.tv
MythTV	http://www.mythtv.org
systemd	http://www.freedesktop.org/wiki/Software/systemd
GeoServer	http://www.geoserver.org
Groovy	http://groovy.codehaus.org/
Blender	http://www.blender.org/
MySQL	http://www.mysql.com/
iproute2	http://www.linuxfoundation.org/collaborate/workgroups/networking/iproute2
MonoDevelop	http://www.monodevelop.com
Hibernate	http://www.hibernate.org/subprojects/ogm
NetworkManager	http://www.gnome.org/projects/NetworkManager/
NLog - Advanced .NET Logging	http://nlog-project.org/
GParted	http://gparted.org/

Name	Homepage
Seahorse	http://www.gnome.org/projects/seahorse/
Glade User Interface Designer	http://glade.gnome.org/
Jenkins	http://jenkins-ci.org/
IntelliJ IDEA Community Edition	http://www.jetbrains.org
Ruby on Rails	http://rubyonrails.org
BusyBox	http://busybox.net/
Evince	http://projects.gnome.org/evince/
DokuWiki	http://www.dokuwiki.org/
Linux NTFS file system support	http://www.linux-ntfs.org/
KVM	http://kvm.qumranet.com/kvmwiki
Battle for Wesnoth	http://wesnoth.org/
Git	http://git-scm.com/
SPIP-Zone	http://zone.spip.org/trac/spip-zone/
Mercurial	http://mercurial.selenic.com/
Hibernate Entity Manager	http://entitymanager.hibernate.org/
Racket	http://racket-lang.org/
RubyGems	http://rubygems.org
SQLAlchemy	http://www.sqlalchemy.org/
cabal	http://haskell.org/cabal/
U-Boot	http://www.denx.de/wiki/U-Boot/WebHome
WebKit	http://webkit.org
OpenEmbedded	http://openembedded.org
Yocto Project	http://www.yoctoproject.org
matplotlib	http://matplotlib.org/
Symfony	http://www.symfony.com/
Meld	http://meldmerge.org/
Haxe	http://haxe.org/
FreeSWITCH	http://www.freeswitch.org/
Geany	http://geany.org/
collectd	http://collectd.org/
Gramps	http://gramps-project.org

Name	Homepage
phpBB Forum Software	http://www.phpbb.com/
HAProxy	http://www.haproxy.org/
fail2ban	http://www.fail2ban.org/wiki/index.php/Main_Page
NumPy	http://numpy.scipy.org
Scala	http://www.scala-lang.org/
dpkg	http://wiki.debian.org/Teams/Dpkg/
Nette Framework	http://nette.org
Inkscape	http://www.inkscape.org
Phing	http://www.phing.info/
jBPM	http://jbpm.org
JBoss Drools	http://www.jboss.org/drools
Bitbake	http://developer.berlios.de/projects/bitbake/
Zotero	http://www.zotero.org/
Lutece	http://www.lutece.paris.fr
OTRS	http://www.otrs.com/
Sage: Open Source Mathematics Software	http://sagemath.org
Rockbox	http://rockbox.org
Liferay Portal	http://liferay.com
TYPO3 CMS	http://typo3.org
Vala	http://live.gnome.org/Vala
pylint	http://pylint.org
The LLVM Compiler Infrastructure	http://llvm.org/
libvirt	http://libvirt.org
TinyMCE	http://tinymce.moxiecode.com
Django	http://www.djangoproject.com/
PHPUnit	http://www.phpunit.de/
OpenStreetMap	http://www.openstreetmap.org/
SymPy	http://sympy.org
Xen Project (Hypervisor)	http://www.xenproject.org
Eclipse Mylyn	http://www.eclipse.org/mylyn/
PHP_CodeSniffer	http://pear.php.net/package/PHP_CodeSniffer

Name	Homepage
Sakai LMS (core)	http://www.sakaiproject.org/
Spring Framework	http://github.com/SpringSource/spring-framework
Joomla!	http://www.joomla.org/
Marble	http://edu.kde.org/marble/
LXDE	http://lxde.org
Pygments	http://pygments.org/
OpenLayers	http://openlayers.org/
The MacPorts Project	http://www.macports.org/
calibre	http://calibre-ebook.com/
Grails	http://grails.org
Alfresco Content Management	http://www.alfresco.com
util-linux	https://github.com/karelzak/util-linux
jQuery	http://jquery.com/
Vaadin	http://vaadin.com/
Cython	http://www.cython.org/
Dojo Toolkit	http://dojotoolkit.org/
MediaWiki	https://www.mediawiki.org/wiki/MediaWiki
Second Life Viewer	http://www.secondlife.com/
Munin	http://munin-monitoring.org/
Odoo	https://www.odoo.com
Mozilla Calendar	http://www.mozilla.org/projects/calendar/
KDevelop	http://kdevelop.org/
ZNC	http://znc.in
Werkzeug	http://werkzeug.pocoo.org/
cppcheck	http://cppcheck.sourceforge.net/
Wicket Stuff	http://wicketstuff.org
Drush	http://drupal.org/project/drush
Sphinx documentation builder	http://sphinx-doc.org/
Piwik	http://piwik.org
JDownloader	http://www.jdownloader.org
SeaMonkey	http://www.seamonkey-project.org/
Empathy	http://live.gnome.org/Empathy

Name	Homepage
SilverStripe	http://www.silverstripe.org
PulseAudio	http://pulseaudio.org
LLVM/Clang C family frontend	http://clang.llvm.org/
Pylons	http://pylonsproject.org
MongoDB	http://www.mongodb.org/
Mockito	https://github.com/mockito/mockito
Doctrine	http://www.doctrine-project.org
Pacman	http://www.archlinux.org/pacman/
MAME - Multiple Arcade Machine Emulator	http://mamedev.org/
Rubinius	http://rubini.us/
Apache Camel	http://camel.apache.org/
OpenJDK	http://openjdk.java.net/
Buildbot	http://buildbot.net/trac
MPD	http://sourceforge.net/projects/musicpd
Tracker	http://projects.gnome.org/tracker/
org-mode	http://orgmode.org
Sass	http://sass-lang.com/
WPA/WPA2/IEEE 802.1X Supplicant	http://hostap.epitest.fi/wpa_supplicant/
Go programming language	http://golang.org/
Apache CouchDB	http://couchdb.apache.org/
Qt 4	http://qt-project.org/
Apache CXF	http://cxf.apache.org/
CakePHP	http://cakephp.org
CKeditor WYSIWYG editor	http://ckeditor.com/
SciPy	http://www.scipy.org
gitg	http://trac.novowork.com/gitg/
Banshee	http://banshee-project.org
OGRE	http://www.ogre3d.org
Chromium (Google Chrome)	http://code.google.com/chromium/
Gradle	http://www.gradle.org/

Name	Homepage
Netty Project	http://netty.io/
Sinatra	http://www.sinatrarb.com
Chef	http://www.opscode.com/chef
Gerrit Code Review	http://code.google.com/p/gerrit
GNOME Shell	http://live.gnome.org/GnomeShell
Git Extensions	http://code.google.com/p/gitextensions
Qt Creator	http://qt-project.org/
Kohana v3	http://kohanaframework.org/
Android	http://www.android.com
JUnit	http://www.junit.org
PCSX2	http://pcsx2.net/
Shotwell	https://wiki.gnome.org/Apps/Shotwell
Redis	http://redis.io/
Cassandra	http://cassandra.apache.org/
PhoneGap	http://phonegap.com/
Trinity Core	http://www.trinitycore.org
Icinga	http://www.icinga.org
CyanogenMod	http://www.cyanogenmod.com/
Rygel	http://live.gnome.org/Rygel
QEMU	http://www.qemu.org/
Trinity Core2	http://www.trinitycore.org
Pitivi	http://github.com/jhoolmans
Openfire	http://www.igniterealtime.org/projects/openfire/
Apache Hadoop	http://hadoop.apache.org/core/
akka	http://akka.io
JGit	http://www.eclipse.org/jgit/
Homebrew	https://github.com/Homebrew/homebrew-apache
Oh My Zsh	http://github.com/robbyrussell/oh-my-zsh
ehcache	http://www.ehcache.org/
EGit	http://www.eclipse.org/egit/
node.js (NodeJs)	http://nodejs.org
Thunar	http://www.xfce.org
Selenium	http://seleniumhq.org/
Arquillian	http://jboss.org/arquillian
Erlang	http://www.erlang.org

Name	Homepage
YUI	http://yuilibrary.com/
Gunicorn	http://gunicorn.org
CoffeeScript	http://www.coffeescript.org/
Clementine Music Player	https://github.com/clementine-player/Clementine
scikit learn	http://scikit-learn.org
Processing	http://processing.org/
Vagrant	http://vagrantup.com/
Qt 5	http://www.qt-project.org/
Yii PHP Framework	http://www.yiiframework.com
Zend Framework	http://framework.zend.com/
Apache Spark	http://spark.apache.org
Flask	http://flask.pocoo.org/
OsmAnd	http://www.osmand.net
ownCloud	http://ownCloud.org
Open Computer Vision Library (OpenCV)	http://opencv.org/
phpDocumentor	http://www.phpdoc.org
IPython	http://ipython.org/
RSpec	http://rspec.info/
OpenStack	http://www.openstack.org/
OpenStack Nova	https://launchpad.net/nova
Apache CloudStack	https://github.com/apache/incubator-cloudstack
AngularJS	http://angularjs.org/
GWT (formerly Google Web Toolkit)	https://github.com/google-web-toolkit/gwt
Facter	http://puppetlabs.com/puppet/related-projects/facter/
salt	http://saltstack.org
jMonkey Engine	http://jmonkeyengine.org
Puppet	http://puppetlabs.com/puppet/
Play! framework	http://www.playframework.org/
Elasticsearch	http://www.elasticsearch.com
Bootstrap (Twitter)	http://twitter.github.com/bootstrap/

Name	Homepage
Apache OpenOffice	http://www.openoffice.org/
GlassFish	https://glassfish.dev.java.net/
Propel	http://propelorm.org
JabRef	http://jabref.sourceforge.net
CodeIgniter	http://www.codeigniter.com/
GNOME Boxes	http://live.gnome.org/Boxes
GitLab	https://www.gitlab.com/gitlab-ce/
TiddlyWiki	http://www.tiddlywiki.org
Fish shell	https://github.com/fish-shell/fish-shell
Ansible	http://ansible.com
Simple Machines Forum	http://www.simplemachines.org/
FontForge	http://www.fontforge.org
libgdx	http://libgdx.badlogicgames.com
py-pandas	http://pandas.sourceforge.net/
javascript	https://github.com/airbnb/javascript
EasyTAG	https://wiki.gnome.org/Apps/EasyTAG
docker	http://docker.io
Capistrano	http://capistranorb.com/

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Indexing 669,008 open source projects
Connecting 3,742,793 open source contributors
Tracking 679,761 source control repositories
Counting 31,158,335,454 lines of code
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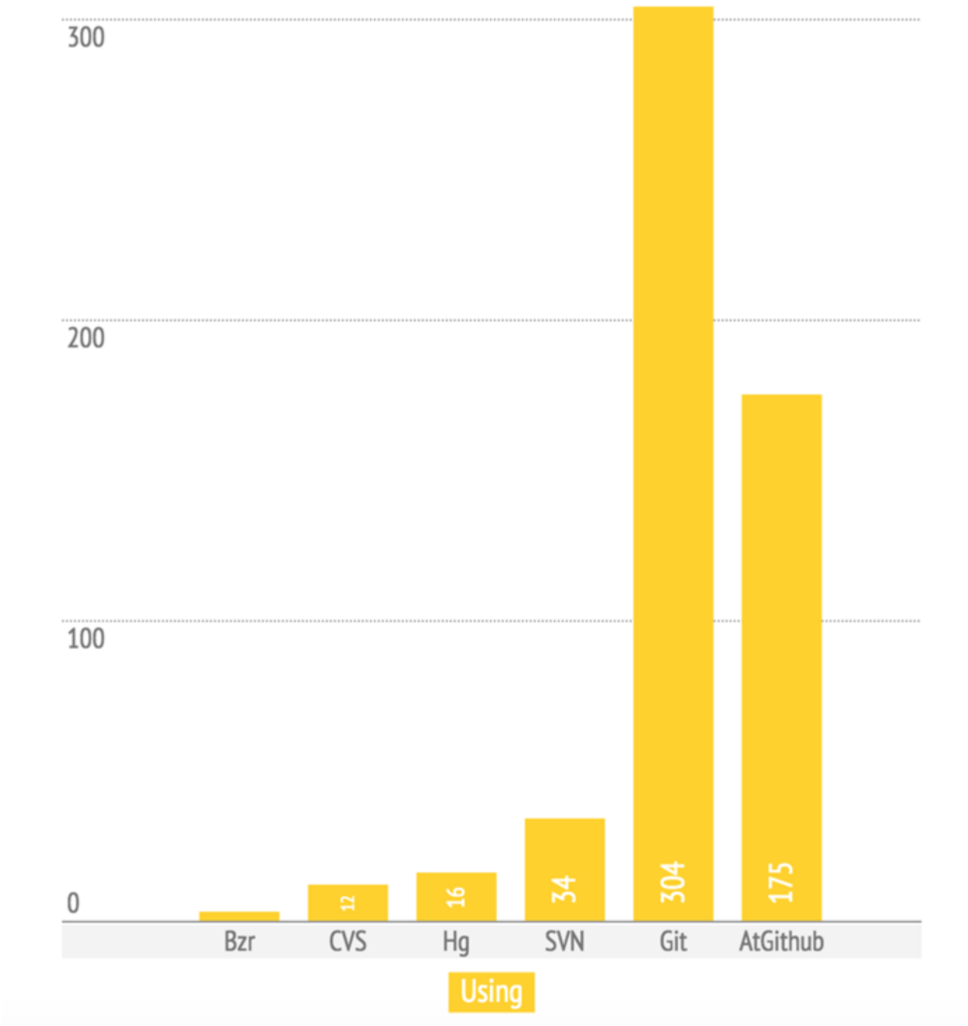
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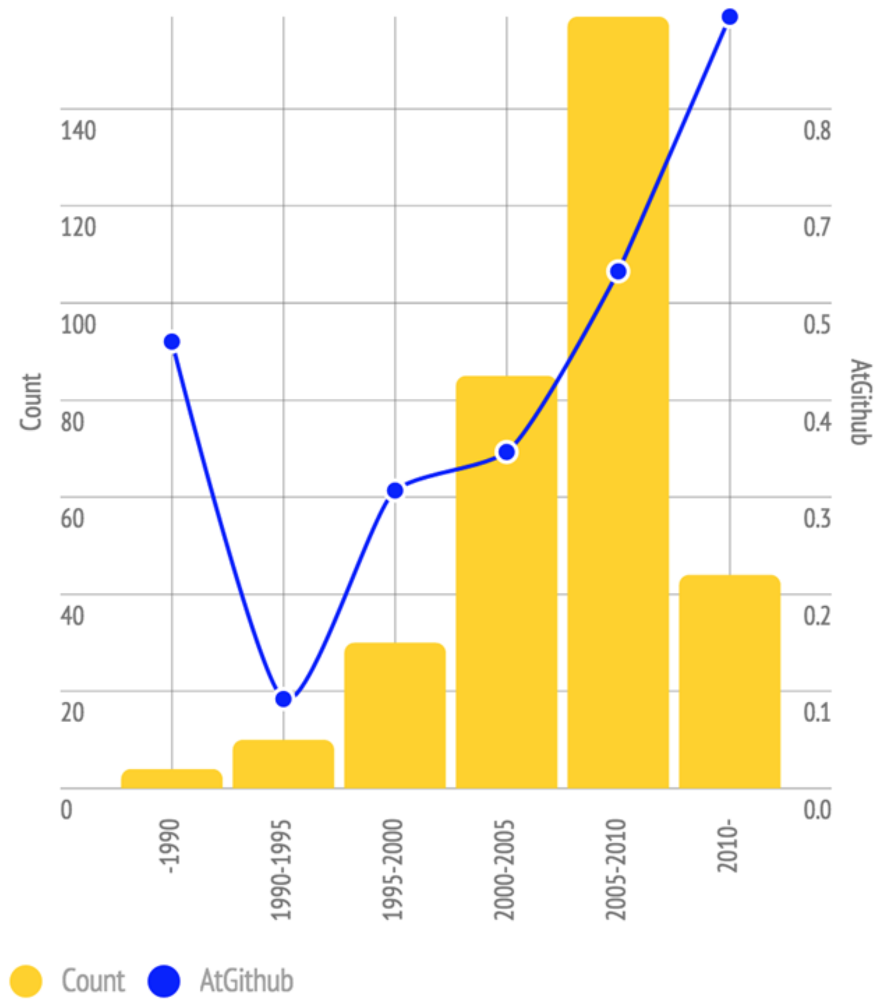


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	Count	AtGithub
-1990	4	50%
1990-1995	10	10%
1995-2000	30	33%
2000-2005	85	38%
2005-2010	159	58%
2010-	44	86%

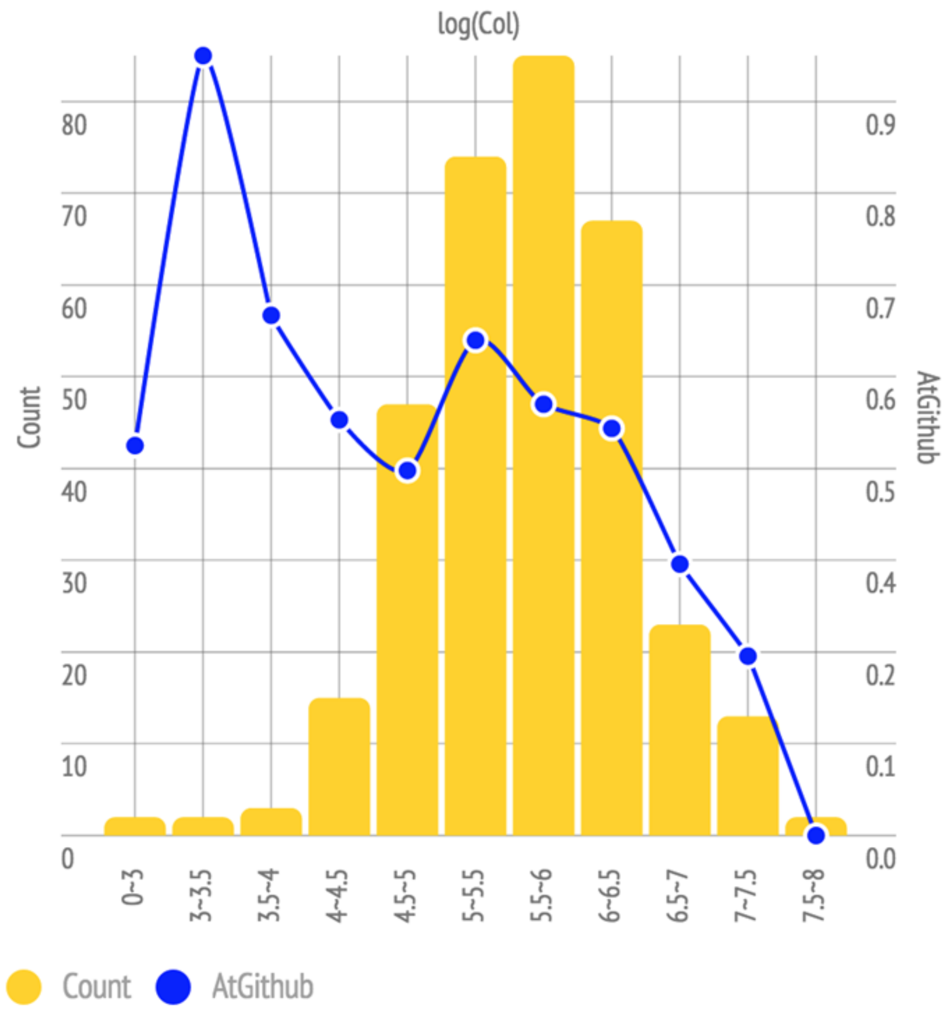
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[illegible]Github[illegible]

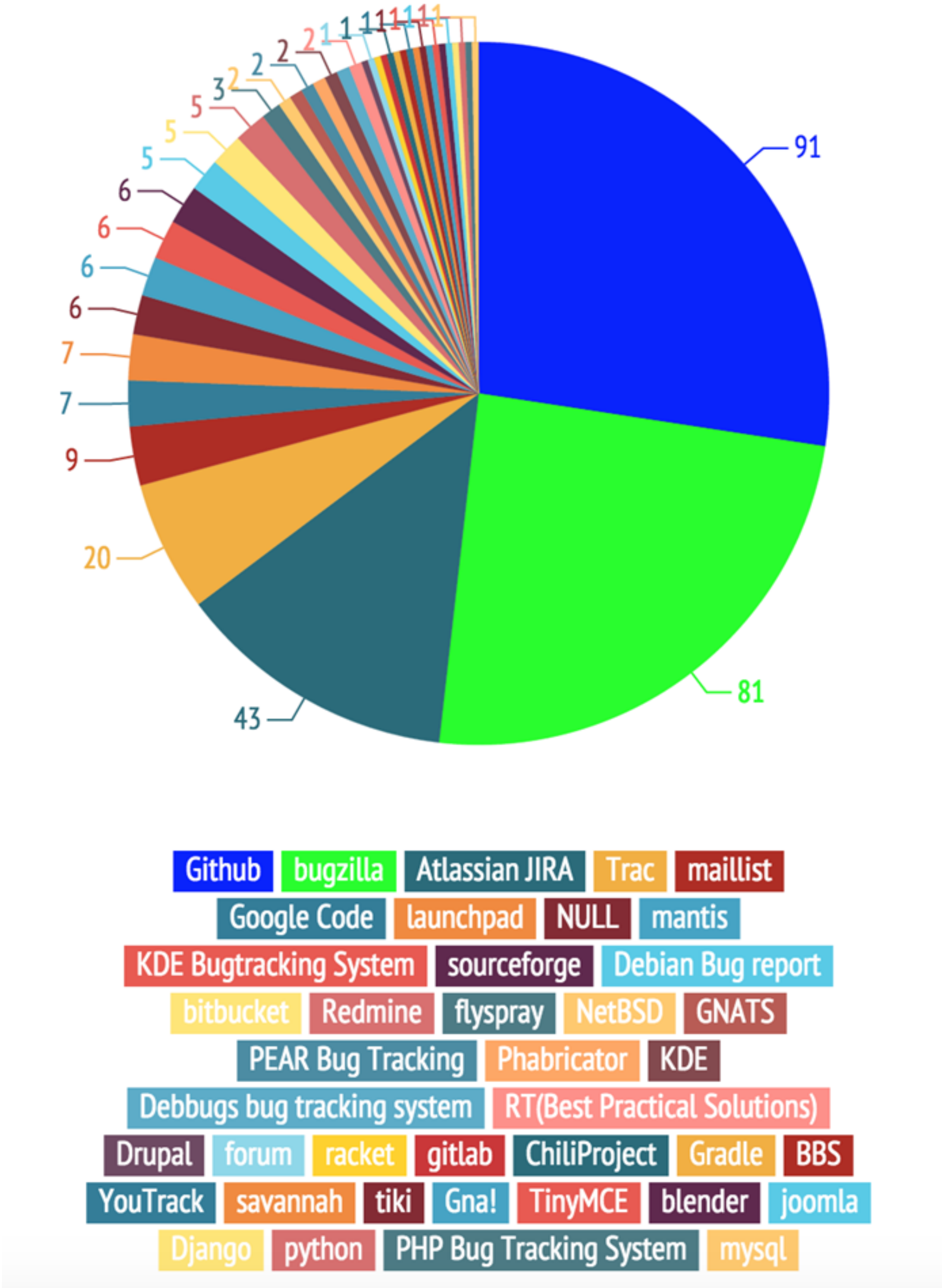


log(Col)	Count	AtGithub
0~3	2	50%
3~3.5	2	100%
3.5~4	3	66.7%
4~4.5	15	53.3%
4.5~5	47	46.8%
5~5.5	74	63.5%
5.5~6	85	55.3%
6~6.5	67	52.2%
6.5~7	23	34.8%
7~7.5	13	23%
7.5~8	2	0%

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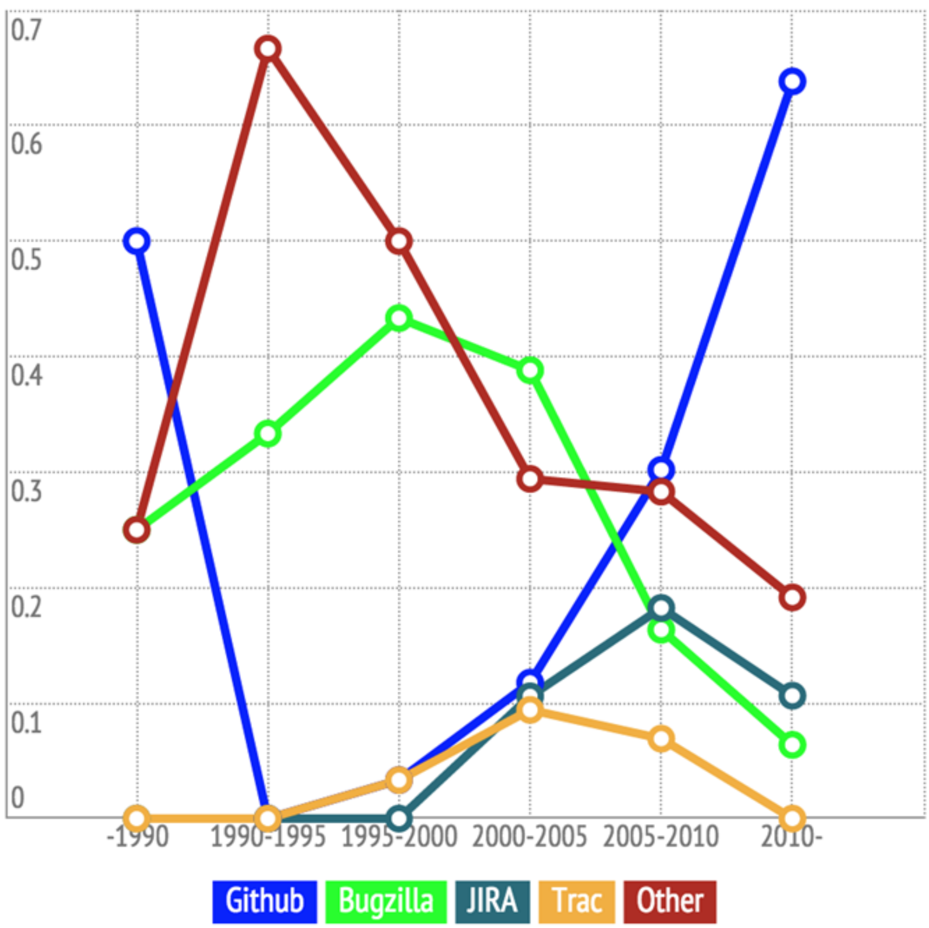
[illegible]1[illegible]Github[illegible]

[illegible]2[illegible]Github[illegible]27%[illegible]

[illegible]3[illegible]Bugzilla[illegible]

[illegible]4[illegible]

[illegible]issue tracking[illegible]

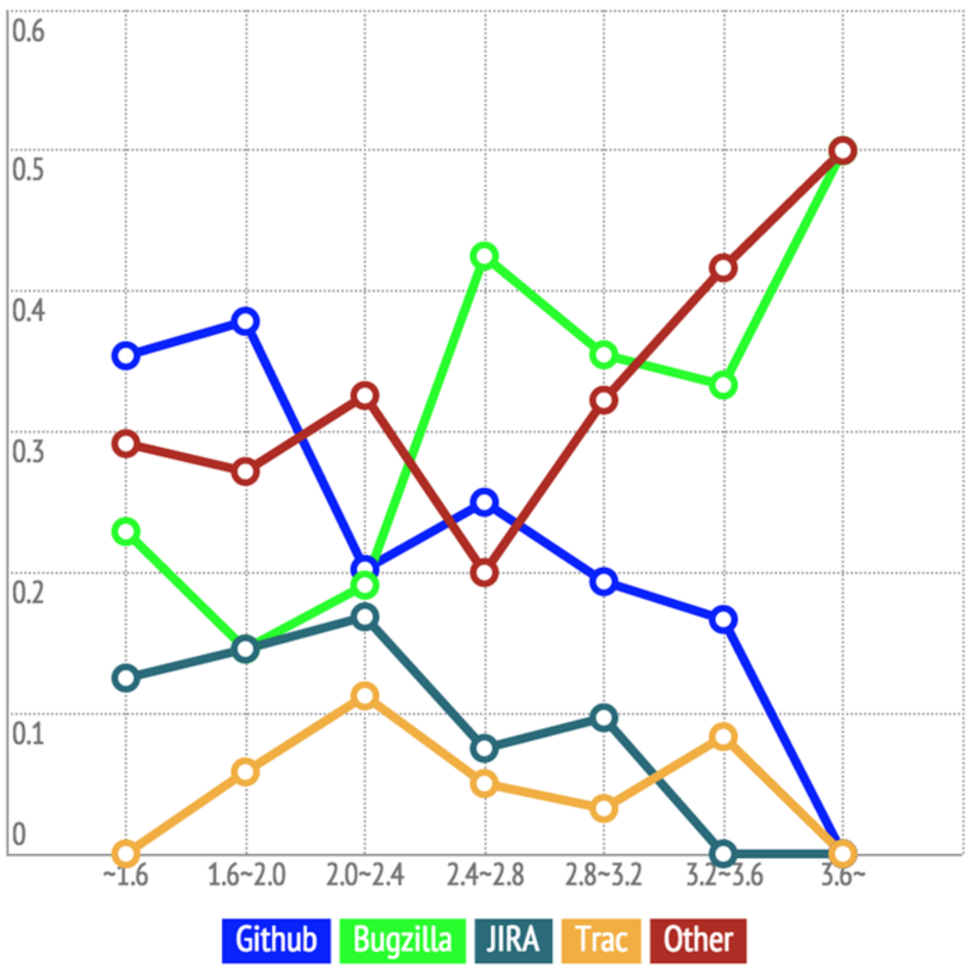


Issue Tracking	-1990	1990-199	1995-20(	2000-20(	2005-20:	2010-
Github	50.0%	0.0%	3.3%	11.8%	30.2%	63.8%
Bugzilla	25.0%	33.3%	43.3%	38.8%	16.4%	6.4%
JIRA	0.0%	0.0%	0.0%	10.6%	18.2%	10.6%
Trac	0.0%	0.0%	3.3%	9.4%	6.9%	0.0%
Other	25.0%	66.7%	50.0%	29.4%	28.3%	19.1%

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我对程序员的新的理解

Crmky的杀手，Cindy的创造者……我对程序员新理解

最近在搞Java的NIO，于是在网上搜索资料，结果搜出了两个牛人的东西，他们的事让我我重新认识了程序员这个职业。

在以前我经常在Blog里发表一下对程序员这个职业的看法，但是看法都很消极，在那时我以为Java程序员就是写写代码，况且java总是被人认为是傻瓜的语言，这种偏见就像一些人认为VB一样，所以我觉得自己平时写的代码没什么技术含量，羡慕那些写C/C++写算法的人们。

但是一个人打破了我的观点——“傻瓜的语言C/C++能写，java一样能写”，他就Cindy的作者，我很惭愧，因为我用了那么长时间的网络数据缓冲类，我却没有像Cindy的作者那样认真研究过:)

还有一个人，那是Leal的blog，在网上他也是个比较有名的人

zoomq，woodpecker的创建人

他的个人简介：程序员：是怎么样的一种职业

嗯嗯！是种与代码相关的职业；所以，嗯！Blog/Wiki/mail就是在代码/社区之间,

这就是我的生活！再没有其他了，嗯嗯！会持续的开发下去

我是人！是，可快乐工作的社区建设者！

这是我看到的对程序员最精辟的评价，所以我认为自己的开发生涯就是在“找乐子”……

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Java[illegible]Ruby on Rails[illegible]

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CSDN[illegible]Java[illegible]MVC,ORM[illegible]–Ruby on Rails[illegible]

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gem install rails –remote

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ruby mybook\script\server

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demo[illegible]WebServer[illegible]

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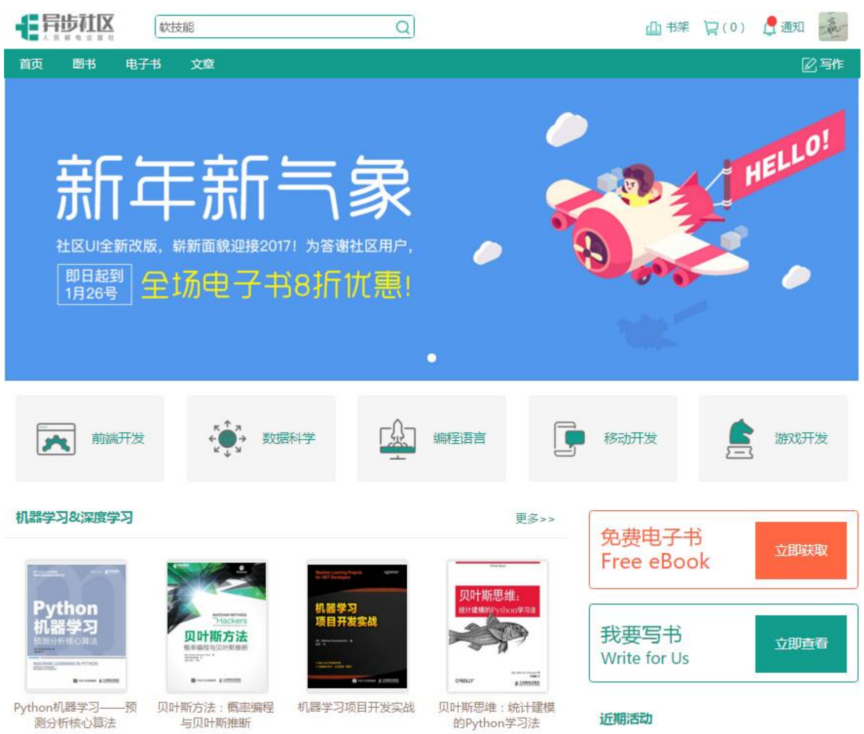
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